


**Universal
Remote
Control**
Model: SL-7000

OPERATING MANUAL





Thank you for purchasing the Star Light universal remote control. This unit was designed to fully complement your home entertainment system. Any comments or questions about this product should be directed to Universal Remote Control, Inc., New Rochelle, NY 10801. You can also call our toll-free Customer Service Line at 1-800-901-0800 for any assistance.

Please read this instruction manual carefully. The Star Light universal remote control has many advanced features that can add enjoyment and convenience during its use. Keep these instructions for future reference.

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INTRODUCTION

The Star Light universal remote control can replace or consolidate up to six (6) of your remote controls. It is already preprogrammed, so there is no need to have your original remote. The Star Light universal remote works with virtually all IR (Infrared) equipment, including : TV' s, VCR's, Cable Boxes, Satellite Receivers, Compact Disc Players, A/V Receivers, Cassette Decks, and many other audio /video components.

Battery Installation

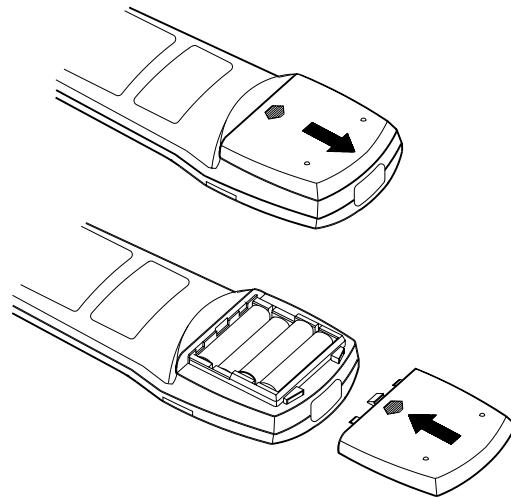
The Star Light remote control is powered by four AAA batteries (included). Please be sure to match the (+) and (-) on the batteries to the (+) and (-) marking inside the battery compartment.

Battery Compartment Cover Removal

To remove the battery compartment, located on the rear of the remote, press down and push forward toward the top of the remote control.

To close the battery compartment cover, slide the cover straight back until it “clicks” into place.

Diagram for opening and closing of the battery cover is shown below.



Note :

When changing batteries, please replace the new batteries within ten minutes. Otherwise, resetting of your codes may be required.

Programming the Remote

A. Quick Set-Up:

Step 1: Turn on the device (TV, VCR, CABLE BOX, SATELLITE RECEIVER, etc.) you wish to operate.

Step 2: On the remote control, press the corresponding DEVICE button (TV, VCR, CATV, SAT, etc.) and MUTE button simultaneously.

Note: "SET" will appear in the LCD.

Step 3: Point the remote control toward the device. Punch in the first three digit code number assigned to your brand from the brand code lists located on pp.(15~30).The device will turn off when the correct code has been selected.

Step 4: Once the device turns off, press the corresponding DEVICE button again to store the code.

Note: LCD will flash "PASS" indicating that the code has been stored.

Step 5: Test the remote control functions with the code that was just stored. If any of the buttons do not perform as they should, please repeat from Step 2 using the next three digit code number for your brand of equipment.

Programming the Remote,(Continued)

C. Standard Set-Up:

Step 1: Turn on the device (TV, VCR, Cable Box, Satellite Receiver, etc.) that you wish to operate.

Step 2: On the Star Light universal remote control, press the corresponding DEVICE button (TV, VCR,CATV, SAT,Audio,or Aux) and the MUTE button simultaneously.

Note: "SET" will appear in the LCD.

Step 3: Locate the three digit code number for your brand of equipment from the code lists found on pp. (15~31). Example: TV codes-Sony 001,003,etc.

Note: If the brand list contains more than one code number, select the first code listed.

Step 4: Point the remote control at the device turned on in Step1 and press in the three digit code number selected in Step 3.

Note: "SET ###" will appear in the LCD.

Your device will turn off when the correct code has been selected. If the device fails to turn off, go back to Step 3 and select the next three digit code for your equipment, and press in the code number.

Note: Repeat the above step until the device turns off. When the device turns off proceed to Step 5.

Step 5: Press the DEVICE button (TV, VCR, CATV, SAT, Audio, Aux) on the remote control to store the three digit code that turned off your equipment.

Note: "PASS" will flash in the LCD indicating that the code has been stored.

Step 6: Test the remote control functions with the code just stored.

Example: Power, Channel Up, Volume Up, etc. If any of the buttons do not perform as they should, please repeat from Step 2 using the next three digit code until the right code is found.

Step 7: To program other devices into the corresponding Device button of the remote control, repeat the above steps with the respective devices and Device buttons.

Advanced Features

A. Three Digit Code Number Recall:

If you wish to find a code number that has been stored in your remote control, please use the following steps:

Step 1: On the remote control, press the DEVICE and MUTE buttons simultaneously.

Note: "SET" will appear in the LCD.

Step 2: Press the INPUT button. The LCD will flash the three digit code number for five seconds before returning to its original state.

B. Storing Multi-Commands/Favorite Channels to Memory Buttons

Memory buttons M1, M2, M3 and M4 can be set up to store up to six(6) commands with one button push. Any functions, in any Device mode (except Channel up and Channel down), can be stored in any one of the four memory buttons.

This will enable you, for example, to turn on the TV and Satellite receiver and select a preassigned satellite channel with only one button push.

Method of setting up:

Step 1: Press the Device button (TV, VCR, CATV, SAT, AUX, AUDIO) and MUTE button, simultaneously.

Note: "SET" will appear in the LCD.

Step 2: Press one of the memory buttons(M1-M4) that you would like to designate for multi-command or favorite channel operation.

Note: "M __ (1-4)" will appear in the LCD. The memory button is now ready to be set up.

Step 3: Press up to six commands that you would like to store in the memory button.

Note: Each successive selection will appear as 1~6 in the LCD.

Step 4: Press the Channel(+) button to store your selection.

Note: "SAVE" will flash twice and the Device mode will appear in the LCD.

Please repeat the above steps for the remaining memory buttons.

Example:

Memory button M1 in the SAT mode can be set up to do the following functions: to turn on the Satellite receiver, select channel #18 on the satellite receiver, and then turn on the TV.

Step 1: Press the SAT and MUTE buttons, simultaneously.

Note: "SET" will appear in the LCD.

Step 2: Press memory button M1.

Note: "M__1" will appear in the LCD.

Step 3: Press the Power buttons (to turn on the satellite receiver).

Note: "M__1 1" will appear in the LCD.

Press the # 1 button (to select the first digit of channel # 18)

Note: "M__1 2" will appear in the LCD.

Press the # 8 button (to select the second digit of channel # 18)

Note: "M__1 3" will appear in the LCD.

Press the TV Device button (to select the TV Device mode).

Note: "M__1 4" will appear in the LCD.

Press the Power button (to turn on the TV).

Note: "M__1 5" will appear in the LCD.

Step 4: Press the Channel (+) button to store the above commands.

Note: "SAVE" will flash and the current Device mode will appear.

Now, anytime the memory button M1 is pressed while the remote control is in the SAT mode, the commands to turn on the Satellite receiver, select the Satellite channel #18 and turn on the TV, will be sent out by the remote control.

Memory buttons can be used in any combination you select.

Note: Any previously stored multi-commands on a memory button will be erased when new multi-commands are stored to that same memory button.

Advanced Features (Continued)

C. Assigning Different Device Codes to other Device Buttons

This feature can be used to program the remote control for more than one TV, VCR, Satellite Receiver, etc. The three digit code for any device can be stored in any of the DEVICE buttons. For example: For two VCRs, the first VCR can be stored in the VCR DEVICE button under normal set up procedures, and the second VCR can be programmed into the unused CATV or any other DEVICE button.

Step 1: Turn on the device you wish to operate.

Step 2: On the remote control, press the DEVICE button you wish to assign this device to, and the MUTE button simultaneously.

Note: "SET" will appear in the LCD.

Step 3: Press the DEVICE BUTTON that corresponds to the actual device you plan to operate.

Note: "SET" will appear in the LCD.

Step 4: Select the three digit code number from the code list found on pp. (15 ~30) for the device you will be operating

Step 5: Point the remote toward the device, and press in the three digit code number.

Note: "SET # # #" will appear in the LCD.

Step 6: The device will turn off when the correct three digit code number has been selected. Press the DEVICE button selected in Step 2. This will store the three digit code into that DEVICE button.

Note: "PASS" will flash in the LCD.

Advanced Features (Continued)

D. “Punch Through” TV Volume Control

After setting up the remote control to work with your respective TV, VCR, CATV, Satellite equipment, etc., the remote control can also be set up so that the TV volume control will supersede respective equipment volume control, even when the remote control is in a different Device mode.

Step 1: Press the DEVICE button (VCR, CATV, SAT, etc.) and MUTE button simultaneously.

Note: “SET” will appear in the LCD

Step 2: Press the VOLUME (+) button.

Note: “TV-O” will appear in the LCD.

Example: To set up TV volume to replace the satellite receiver volume in the SAT mode.

Step 1: Press the SAT and MUTE buttons, simultaneously.

Note: “SET” will appear in the LCD.

Step 2: Press the VOLUME (+) button

Note: “TV-O” will appear in the LCD.

TV volume will now operate in the SAT mode.

To return to the original volume control setting.

Step 1: Press the DEVICE button (VCR, CATV, SAT, etc.) and MUTE button, simultaneously.

Note: “SET” will appear in the LCD.

Step 2: Press the VOLUME (+) button.

Note: “TV-X” will appear in the LCD.

The TV volume “Punch Through” for the selected device mode is now deactivated.

Advanced Features (Continued)

E. “Punch Through” VCR Controls.

After setting up the remote control to work your respective TV, VCR, CATV, Satellite equipment, etc, the remote control can also be set up so that the VCR control buttons (PLAY, STOP, FAST FORWARD, REWIND, PAUSE, and RECORD) will operate (VCR controls), even when the remote is in a different Device mode.

For example, you can control your VCR while in the CATV mode, eliminating the need to switch between CATV and VCR modes to operate your VCR.

Step 1: Press the DEVICE button (TV, CATV, SAT, etc.) and MUTE button, simultaneously.

Note: “SET” will appear in the LCD.

Step 2: Press the VOLUME (+) button.

Note: “VCR-O” will appear in the LCD.

VCR controls (PLAY, STOP, FF, REW, PAUSE, and RECORD) will now operate in the mode selected in Step 1.

To return to the original state.

Step 1: Press the DEVICE button (TV, CATV, SAT, etc.) and MUTE button, simultaneously.

Note: “SET” will appear in the LCD.

Step 2: Press the VOLUME(-) button.

Note: “VCR-X” will appear in the LCD.

The VCR “Punch Through” for the selected mode is now deactivated.

Satellite key Pad Information

Many satellite receivers have a letter/ number assignment for satellite names and numbers. Since these assignments differ from one satellite manufacturer to another, we have listed the corresponding letter/ number designation by code on pages(31~44) Please copy the letters assigned to your code onto the peel off label we have included Place this label on the back of the remote control for future use.

Hidden Buttons

Eight (8) additional buttons are located beneath the VIEW, -, +, AMT, M1, M2, M3 and M4 buttons. They are NEXT, MESS, SET-UP, HELP, P.L, AUTO, T.I, and A/B buttons.

To access these hidden buttons, please lift up the cover by releasing the latch along the top, right side of the remote.

Glossary

Device:

Audio and /or video equipment (Example: TV, VCR, Compact Disc, etc.) that is being controlled by the remote control.

Device Buttons:

Blue buttons located at the top of the Star Light remote control labeled TV, VCR, CATV, SAT, AUDIO, AUX.

Device Modes:

Operating modes displayed as TV, VCR, CABLE, AUDIO, AUX, or SAT in the LCD indicating the device the remote control is ready to operate.

LCD:

Liquid crystal display screen at the top of the Star Light Remote. The LCD displays the device mode in normal operation. The LCD is also used in Set Up to program the Star Light Remote.

Three Digit Code:

Preprogrammed list of three digit numbers that corresponds to manufacturer's equipment.

Warranty

The Star Light remote control comes with a one year warranty from date of purchase.

Specifications

MODEL : SL-7000

BATTERY: Four 1,5 AAA Battery

DIMENSION: (H x W x D) 8.88" x 2.75" x 1.25"

WEIGHT: 6.6 oz. (with batteries)

Three Digit Code Lists

TV

Maker (Brand) Name	Code Number (3 digit) List
A MARK	112 143
AKAI	001 146
AMPRO	167 073
AMSTRAD	052
ANAM	043 054 056 080 104 108 112 115 118 121 131
AOC	001 004 112
BLAUPUNKT	088
CANDLE	001 002 003 004
CAPEHART	058
CETRONIC	043
CITIZEN	001 002 003 004 043 101 103 143
CLASSIC	043
CONCERTO	004
CONTEC	039 043 050 051
CORONADO	143
CRAIG	043 054
CROWN	043 143
CURTIS MATHES	001 101 116 143
CXC	043
DAEWOO	004 016 017 043 044 055 071 076 103 107 111 114 117 120 123 125 127 128 136 143
DAYTRON	116 143
DYNASTY	043
DYNATECH	062
ELECTROHOME	007 143
EMERSON	028 048 043 155 005 096 047 116 153 154 051 143 151 001 050
FISHER	077 057
FUNAI	028 043
FUTURETECH	043
GE	160 144 165 161 073 130 001 008 009 034 056 074 004 155 091

Three Digit Code Lists

TV

Maker (Brand) Name	Code Number (3 digit) List
GOLDSTAR	102 106 110 112 113 116 119 122 127 137 143
HALL MARK	116
HITACHI	011 163 166 158 143 004 010 012 023 075 001 009 041
INFINITY	164
INKEL	129
JBL	164
JCPENNY	001 008 030 065 101 160 004 024 143 009 156
JENSEN	013
JVC	038 083 145 034
KEC	043
KENWOOD	001
KLOSS	002 059
KMC	143
KTV	043 001 143 154
LODGENET	072
LOGIK	072
LUXMAN	004
LXI	166 007 015 164 160 081 052
MAGNAVOX	164 059 001 003 060 061 063 064 160 004 143 127
MARANTZ	001 164 077
MATSUI	164
MEMOREX	007 072 116
METZ	088
MGA	001 004 028 042 049 077 116
MINERVA	088
MITSUBISHI	109 024 124 001 004 040 146 028 042
MTC	001 101 004 062
NAD	015 025
NEC	132 130 134 001 040 016 024 056 007 019
NIKEI	043

Three Digit Code Lists

TV

Maker (Brand) Name	Code Number (3 digit) List
ONKING	043
ONWA	043
OPTONICA	019 081
PANASONIC	034 080 092 056 164
PHILCO	001 003 024 056 059 060 063 064 164 004 143 043 127
PHILIPS	164 038 070 093 001 003 004 143 059 160
PIONEER	135 025 023 001 018 116 027
PORTLAND	004 143
PROSCAN	144
PROTON	004 131 143 058 171
QUASAR	034 092 056
RADIO SHACK	019 043 047 116 127 143
RCA	160 161 165 065 156 144 001 004 023 024 056 074 152
REALISTIC	007 019 043 047
RUNCO	168 169
SAMPO	001 058 116
SAMSUNG	050 089 101 105 113 116 127 133 137 143 160
SANYO	166 007 057 082 020 053 021 033 039
SCOTT	028 043 116 143 048
SEARS	015 030 004 007 028 057 143 094 160 116 082 101
SHARP	170 081 019 028 029 014 004 022 143
SIEMENS	088
SIGNATURE	072
SONY	070 147 126 085 139 041 079
SOUNDESIGN	028 003 043 116
SPECTRICON	112
SSS	004 043
SUPRE MACY	002

Three Digit Code Lists

TV

Maker (Brand) Name	Code Number (3 digit) List
SYLVANIA	001 003 059 060 063 064 164 044 160 116 127 140
TANDY	081
TATUNG	056 062
TECHNICS	084
TECHWOOD	004
TEKNIKA	001 002 003 004 024 028 043 072 101 143 031 077 103
TELEFUNKEN	037 046 086 087
TELERENT	072
TMK	004 116
TOSHIBA	015 138 030 007 040 062 101 051
TOTEVISION	143
UNIVERSAL	008 009
VIDEO CONCEPTS	146
VIDTECH	004 116
WARDS	004 008 009 019 028 060 061 063 064 072 074 116 143
YAMAHA	001 004
YORK	116
YUPITERU	043
ZENITH	072 073 095 157
ZONDA	112

Three Digit Code Lists

VCR

Maker (Brand) Name	Code Number (3 digit) List
AIWA	034
AKAI	146 043 046 124 125 142 016
AMPRO	072
ANAM	031 033 103
AUDIO DYNAMICS	012 023 039 043
BROKSONIC	035 037 129
CANON	028 031 033
CAPEHART	108
CRAIG	003 040 135
CURTIS MATHES	031 003 041
DAEWOO	005 007 010 064 065 108 110 111 112 116 117 119
DAYTRON	108
DBX	012 023 039 043
DYNATECH	034 053
ELECTROHOME	059
EMERSON	006 029 035 025 027 034 036 037 046 101 129 131 138 017 031
FISHER	003 008 009 010
FUNAI	034
GE	031 072 144 147 033 063 107 109
GO VIDEO	132 136
GOLDSTAR	012 013 020 101 106 114 123
HARMAN KARDON	012 045
HITACHI	004 026 034 043 150 063 137 018
INSTANTREPLAY	031 033
JCL	031 033
JCPENNY	012 013 015 066 040 033 101
JENSEN	043
JVC	048 043 130 150 050 055 060 012 031 033
KENWOOD	014 034 048 039
LLOYD	034

Three Digit Code Lists

VCR

Maker (Brand) Name	Code Number (3 digit) List
LXI	034 101 013 014
MAGIN	040
MAGNAVOX	067 031 034 041 033 068
MARANTZ	031 067 012 033 069
MARTA	101
MATSUI	027 030
MEI	031 033
MEMOREX	101 003 010 014 031 034 053 072 139 134 033
MGA	045 046 059
MINOLTA	013 020
mitsubishi	059 061 151 046 051 142 013 020 045 049
MTC	034 040
MULTITECH	024 034
NEC	012 023 043 048 039
NORDMENDE	043
OPTONICA	053 054
PANASONIC	066 070 083 145 133 140 074
PENTAX	013 020 031 033 063
PHILCO	031 033 034 067
PHILIPS	031 067 034 101 054 033 071
PILOT	101
PIONEER	021 048 013
PORTLAND	108
PULSAR	072
QUARTZ	002 014
QUASAR	033 066 075 145
RCA	013 020 033 041 062 063 107 109 140 144 145 147
REALISTIC	003 008 010 014 031 033 034 040 053 054 101
RICO	058
RUNCO	148
SALORA	014

Three Digit Code Lists

VCR

Maker (Brand) Name	Code Number (3 digit) List
SAMSUNG	032 040 102 104 107 109 112 113 115 120 122 125
SANSUI	022 043 048 135
SANYO	003 010 014 134 007
SCOTT	017 037 129 112 131
SEARS	003 008 010 013 014 081 101 009 020 031 042 073
SHARP	149 031 054
SHINTOM	024
SONY	009 056 057 058 077 003 149 052 076 031 078
SOUNDESIGN	034
STS	013
SYLVANIA	031 059 033 034 067
SYMPHONIC	034
TANDY	010 034
TATUNG	039 043
TEAC	034 039 043
TECHNICS	031 033
TEKNIKA	031 019 033 034 101
THOMAS	034
TMK	006
TOSHIBA	112 131 008 047 059 082 042 013
TOTEVISION	040 101
UNITECH	040
VECTOR RESEARCH	012
VICTOR	048
VIDEO CONCEPTS	012 046 034 141
VIDEOSONIC	040
WARDS	013 024 031 034 040 053 054 003 017 033 131
YAMAHA	012 043 034 039
ZENITH	072 080 056 048 034 101 058

Three Digit Code Lists

CATV

Maker (Brand) Name	Code Number (3 digit) List
ABC	001 004 039 046 053 003 042
ANTRONIK	014
ARCHER	005 007 014 024
CABLE STAR	026
CENTURY	007
CITIZEN	007
COLOUR VOICE	065 090
COMBANO	080 081
COMTRONICS	019 030
DIAMOND	023
EAGLE	020 030 040
EASTERN	057 062 066
ELECTRICORD	032
GE	072
GEMINI	008 022 025 054
GI	001 074
GOLDEN CHANNEL	030
HAML IN	049 050 055
HITACHI	001 055
HOSPITALITY	070 077
JERROLD	002 003 004 010 001 008 009 069 074
M-NET	037
MACOM	033
MAGNAVOX	012 079 010 064
MEMOREX	052
MOVIE TIME	028 032
NSC	071 073 015 028 038
OAK	016 031 037 053
PANASONIC	044 047
PARAGON	052
PHILIPS	020 065 006 012 013 085 090

Three Digit Code Lists

CATV

Maker (Brand) Name	Code Number (3 digit) List
PIONEER	034 051 001 063 076
POST NEWS WEEK	016
PRUCER	059
PTS	011 048 071 072 073 074
PULSAR	052
RCA	047
REGAL	049 050
REGENCY	057
REMBRANT	025
RK	091
SAMSUNG	030 068
SCIENTIFIC ATLANTA	003 011 041 042 043 045 046
SHERITECH	022
SIGNAL	030
SIGNATURE	001
SL MARX	030
SPRUCER	047 078
STARCOM	002 004 008 009
STARGATE	008 030
SYLVANIA	067
TADIRAN	030
TANDY	017
TELECAPATION	021
TEXSCAN	029 067
TOCOM	039 040 056
TOSHIBA	052
UNIKA	007 014 024
UNITED CABLE	004 053
UNIVERSAL	007 024 027 035 005 014 026 032
VIEWSTAR	086 087 088 089 012 015 018
ZENITH	052 060

Three Digit Code Lists

SAT

Maker (Brand) Name	Code Number (3 digit) List
AMPLICA	050
BIRDVIEW	051 113
BSR	053
CAPETRONICS	053
CHANNEL MASTER	013 014 015 018 036 055
CHAPARRAL	008 009 012 077
CITOH	054
CURTIS MATHES	050
DRAKE	005 006 007 010 011 052 112 116
DX ANTENNA	024 046 056 076
ECHOSTAR	038 040 057 058 093 094 095 096 097 098 099 100
ELECTRO HOME	089
EUROPLUS	114
FUJITSU	017 021 022 027
GENERAL INSTRUMENT	003 004 016 029 031 059 101
HOUSTON TRACKER	033 037 039 104
HUGHES	068
HYTEK	053
JANIEL	060
JERROLD	061
KATHREIN	108
LEGEND	057
LUXOR	062
MACOM	059 063 064 065 010
MEMOREX	057
NORSAT	069 070
PANASONIC	060
PANSAT	121
PERSONAL CABLE	117
PHILIPS	071

Three Digit Code Lists

SAT

Maker (Brand) Name	Code Number (3 digit) List
PICO	105
PRESIDENT	019 102
PRIMESTAR	030 110 111
PROSAT	072
RCA	001 106
REALISTIC	043 074
SATELLITE SERVICE CO	057 028 035 047 085
SCIENTIFIC ATLANTA	032
SONY	103
STARCAST	041
SUPER GUIDE	020
TEECOM	023 026 075 087 088 090 107
TOSHIBA	002
UNIDEN	016 025 042 043 044 045 048 049 078 079 080 086 101
VIEWSTAR	115
ZENITH	081 082 083 084 091 120

Three Digit Code Lists

AUDIO

Maker (Brand) Name	Code Number (3 digit) List
ADCOM	082 092 225
AIWA	012 015 018 071 100 104 114 170 202 203
AKAI	138
ANAM	081
BOSE	070 170
CARVER	008 027 028 030 053 061 201 226
CLARION	174
DENON	002 034 105 227 228 229 230
EVERQUEST	025
FISHER	008 030 064 077
FOSGATE AUDIONICS	062 231 232
GOLDSTAR	011
HAITAI	197
HARMAN KARDON	231 232 233 254
HITACH	020
INKEL	197
JCPENNY	009 079
JENSEN	058
JERROLD	042
JVC	013 116 239 240 241
KENWOOD	005 026 064 145 146 181 190 197
LEXICON	234 235 236 237
LUXMAM	035
LXI	078
MAGNAVOX	027 086
MARANTZ	006 027 040 056 063 065 087
MCINTOSH	238
MCS	009 079
mitsubishi	242 243
NAD	029 048
NAKAMICHI	244 245

Three Digit Code Lists

AUDIO

Maker (Brand) Name	Code Number (3 digit) List
NILES	246
ONKYO	016 017 046 107 108 115
OPTIMUS	022 026 041 054 055
PANASONIC	007 032 088 195
PHILIPS	027 037 087 249 250 251
PIONEER	014 033 039 044 045 047 050 066 069 090 098 222
QUASAR	007 088
RCA	010 049
REALISTIC	001 004 019 023 073 075 078 080 081 095
ROTEL	074 083 085
SANSUI	027 040 110 113 119 224
SCIENTIFIC ATLANTA	043
SCOTT	019 081 091
SHARP	026 051 057 094 131 174 175 181 184
SHERWOOD	024 038
SONY	018 052 084 089 093 101 223 247 248
SOUNDESIGN	036
SSI	068
STARCOM	042
TAEKWANG	138
TEAC	019 059 060 081
TECHNICS	007 076 088 103 109 122 193
TOSHIBA	112
VICTOR	013 106
WARDS	064
XANTECH	252
YAMAHA	021 026 031 067 174 253

Three Digit Code Lists

AUX

Maker (Brand) Name	Code Number (3 digit) List
ADC	005
ADCOM	042 056 062
AIWA	065 105 112 122 170 187
AKAI	043 195 202
AUDIO TECHNICA	046
AUDIOACCESS	119
AUDIOFILE	229
BSR	037 057
CALIFORNIA AUDIO	008 103
CAPETRONIC	063
CARRERA	057 080
CARVER	044 050 130 134 135 137 138 139 203 204
CASIO	059 111 116 182
CLARINETTE	116 182
CROWN	035
CURTIS MATHES	059
DENON	002 123 205 206 207
EMERSON	042 045 069 087 102
FISHER	016 027 048 050 061
FRABA	111
FUNAI	120
GE	180
GENEXXA	010 069 090 102
GOLDSTAR	009 080
HAITAI	093
HARMAN KARDON	018 033 047 208
HITACHI	042 087
INKEL	019 020
JCPENNY	014 059 092
JENSEN	158
JVC	022 136 194 213 214

Three Digit Code Lists

AUX

Maker (Brand) Name	Code Number (3 digit) List
KENWOOD	007 013 016 023 055 071 072 142 152 194 196 197 199
KYOCERA	005
LOTTE	102
LUXMAN	011 028 070 096
LXI	059 180
MAGNAVOX	032 044 095 107 121
MARANTZ	036 044 051 077 209 210 211
MCINTOSH	212
MCS	014 059 073 092
MEMOREX	090
MGA	025
MISSION	044
MINISUBISHI	025 121
MITSUMI	153
MODULAIRE	116 182
NAD	006 067 121 215 216
NAKAMICHI	217 218 219
NEC	014 062
NIKKO	046 048
NSM	044
ONKYO	030 031 038 039 189 193 220 221
OPTIMUS	001 013 029 049 050 057 058 082 083 084 085 090 093
PANASONIC	008 068 103 113 172 201 222
PHILIPS	032 044 132 149 227
PIONEER	010 029 064 088 090 094 106 117 121 125 174 175 176
PROTON	044 228
QUASAR	008 103
RADIO SHACK	116 120
RCA	017 042 074 087 150

Three Digit Code Lists

AUX

Maker (Brand) Name	Code Number (3 digit) List
RCX	185
REALISTIC	042 049 050 051 187 089 098 099 102 180 181 182
ROTEL	044
SAE	044
SAMSUNG	021
SANSUI	040 044 069 074 128 171 190
SANYO	026 050 061 075 089 184
SCOTT	069 102
SEARS	059
SHARP	013 051 066 099 108 152 173 183 198 199
SHERWOOD	003 019 020 034 051 099 127
SIGNATURE	033
SONY	001 053 061 097 109 110 112 126 133 177 223 224 225 226
SOUNDSTREAM	118
STS	005
SYLVANIA	044
SYMPHONIC	052 104 181
TAEKWANG	195
TANDY	090
TEAC	004 015 041 051 078 079 100 101 104 115 131 140 159
TECHNICS	008 060 068 103 113 172 192 200
TECHWOOD	076
THETA DIGITAL	032
TOSHIBA	006 067 091 152 160 191
VECTOR RESEARCH	080
VICTOR	022 114 124
WARDS	033 089
YAMAHA	012 024 046 054 129 185
YORX	116 182

Satellite Functions by Code

Fuction	CODE 001	CODE 002	CODE 003	CODE 004
1	1	1 G	1 G	1 G
2	2	2 T	2 T	2 T
3	3	3 F	3 F	3 F
4	4	4 A	4 D	4 A
5	5	5 W	5 W	5 W
6	6	6 C	6 C	6 C
7	7	7 S	7 S	7 S
8	8	8 M	8 R	8 R
9	9	9 K	9 K	9 K
0	0	0 Q	0 B	0 B
ENTER	Guide	Enter	Enter	Enter
DISPLAY	Select/Display	Category	View	View
INPUT	TV/DSS	SAT/TV	SAT/TV	SAT/TV
FAVORITE	FAV	Favorite	FAV	FAV
CANCEL	Clear	Cancel	Cancel	CNCL
LAST	PREV.CH	Function	AFC	Last
MENU	Menu	Mode	Mode	Menu
UP	Up	Timer Up	Fine Tune Up	Up
DOWN	Down	Timer Down	Fine Tune Down	Down
LEFT	Left	East Down	East	Left
RIGHT	Right	West Up	West	Right
SAT	DSS	C-SAT	Next SAT	SAT

Fuction	CODE 005	CODE 006	CODE 007	CODE 008
1	1 G	1 G		1/G
2	2 T	2 T		2/T
3	3 F	3 F		3/F
4	4 A	4 A		4/A
5	5 E	5 W		5/W
6	6 K	6 K		6/S
7	7 C	7 C		7/M
8	8 B	8 B		8/B
9	9 S	9 S		9/R
0	0 M	0 X		0/Z
ENTER	Enter	Enter	Goto	Enter
DISPLAY	Source	Source		View
INPUT				
FAVORITE	Priority	Priority		Favorite
CANCEL	Cancel	Cancel	Format	cancel
LAST	Auto PK	Auto PK		
MENU	Menu	Menu		Menu
UP	Fine Up	Fine Tune Up	Preset Up	Large Select Up
DOWN	Fine Down	Fine Tune Down	Preset Down	Large Select Down
LEFT	East	East	Up East	Freeze East Left
RIGHT	West	West	Down West	Swap West Right
SAT	SAT	SAT		Satellite

Satellite Functions by Code

Fuction	CODE 009	CODE 010	CODE 011	CODE 012
1	1 F	1/A	1	1 F
2	2 W	2/B	2	2 I
3	3 D	3/C	3	3 D
4	4 A	4/D	4	4 A
5	5 G	5/E	5	5 V
6	6 S	6/F	6	6 S
7	7 T	7/G	7	7 T
8	8 M	8/H	8	8 M
9	9 Z	9/I	9	9 E
0	0 K		0	0 K
ENTER	Enter	Memory:Store	Enter	
DISPLAY	View		View	
INPUT		Select	TV/SAT	
FAVORITE	Favorite	CW	Priority	
CANCEL	Cancel	CCW	Cancel	
LAST		Next SAT	Format	
MENU	Tuning Mode	Fine Up	NUM	Tuning Mode
UP	VOL Tuning Up	SAT Fine Up	Fine Tune Up	Tuning UP
DOWN	VOL Tuning Down	SAT Fine Down	Fine Tune Down	Tuning Down
LEFT	SAT UP	SAT Preset Left:East	East	Satellite UP
RIGHT	SAT Down	SAT Preset Right:West	West	Satellite Down
SAT	SAT	Fine Down	SAT	Satellite

Fuction	CODE 013	CODE 014	CODE 015	CODE 016
1	1 G	1		1 G
2	2 T	2		2 T
3	3 F	3		3 F
4	4 S	4		4 E
5	5 W	5		5 /M
6	6 X	6		6 C
7	7 A	7		7 S
8	8 M	8		8 R
9	9 K			9 K
0	0 Z			0 B
ENTER	Enter	Scan		Enter
DISPLAY	CHAN	POL REV	Format REV	View
INPUT		Anik		
FAVORITE	FAV	Westar		
CANCEL	Cancel	Comstar	Format	Cancel
LAST	Tune	Satcom		POL Call
MENU	Menu	Satscan Power	Satscan Power	C/KU/PROG
UP	Right Up	Satscan Up	Satscan Up	Skew +
DOWN	Left Down	Satscan Down	Satscan Down	Skew -
LEFT	Left Down	Tune Down	Tune Down	E Left Video
RIGHT	Right Up	Tune UP	Tune UP	Video Right W
SAT	SAT			C/KU

Satellite Functions by Code

Fuction	CODE 017	CODE 018	CODE 019	CODE 020
1	1		1	G/1
2	2		2	T/2
3	3		3	F/3
4	4		4	D/4
5	5		5	W/5
6	6		6	C/6
7	7		7	S/7
8	8		8	X/8
9	9		9	K/9
0	0		0	M/0
ENTER	Enter		Enter	Select
DISPLAY	Display			Return
INPUT				Watch
FAVORITE	Auto Tune			Favorite
CANCEL	Cancel		CNCL	Movies
LAST		Seek		Sports
MENU	Satellite Number	Mode	CALL	Type
UP	Tunning Up	Ant Up	>	Cursor Up
DOWN	Tunning Down	Ant Down	<	Cursor Down
LEFT	Next Satellite Left	Ant Up	E	Page Left
RIGHT	Next Satellite Right	Ant Down	W	Page Right
SAT	Satellite Name	Format	SAT	SAT

Fuction	CODE 021	CODE 022	CODE 023	CODE 024
1	1	1 G	1 G SET Up	1
2	2	2 T	2 S View	2
3	3	3 F	3 F MMSG	3
4	4	4 A	4 C Help	4
5	5	5 M	5 M Text	5
6	6	6 E	6 E Enter	6
7	7	7 S	7 K Cancel	7
8	8	8 R	8 B	8
9	9	9 K	9 T	9
0	0	0 B	0 A	0
ENTER	Enter	Enter		Select
DISPLAY	Display	Display		Recall
INPUT				Ch.Scan
FAVORITE	Favorite CH	FAV		
CANCEL	Cancel	Cancel		
LAST		Select		
MENU	Number	Mode	CH	Select
UP	Tuning Up	Up	Step Up	Tune +
DOWN	Tuning Down	Down	Step Down	Tune -
LEFT	Next Sat <	Left	Left East Vol +	Ant Position East
RIGHT	Next Sat >	Right	Left West Vol -	Ant Position West
SAT	Name	SAT	SAT	Recall

Satellite Functions by Code

Fuction	CODE 025	CODE 026	CODE 027	CODE 028
1	1	1 C	1	1 F
2	2	2 G	2	2 G
3	3	3 R	3	3
4	4	4 T	4	4 M
5	5	5 S	5	5 A
6	6	6 E	6	6 T
7	7	7 K	7	7 S
8	8	8 F	8	8 O
9	9	9 B	9	9 G
0	0	0 M	0	0
ENTER	Enter	Enter	Enter	Enter
DISPLAY	Time	View	Display	DISP
INPUT	Guide	SAT/TV		
FAVORITE	Select	FAV	Favorite CH	
CANCEL	CNCL	CNCL	Cancel	Cancel
LAST	Return		Auto Tune	
MENU	Guide	Mode	Satellite Number	PGM
UP	Up	Up	Tuning Select	Fine Tune Up
DOWN	Down	Down		Fine Tune Down
LEFT	Left E	Left	<	Antenna Left
RIGHT	Right W	Right	>	Antenna Right
SAT	Type	SAT	Satellite Name	SAT

Fuction	CODE 029	CODE 030	CODE 031	CODE 032
1	1 G	1	1 G	1/A
2	2 E	2	2 E	2/D
3	3 T	3	3 T	3/F
4	4 F	4	4 F	4/G
5	5 W	5	5 W	5/K
6	6 S	6	6 S	6/S
7	7 R	7	7 R	7/T
8	8 M	8	8 M	8/W
9	9 K	9	9 K	9/X
0	0 C	0	0 C	0/Z
ENTER	Enter	Enter	Enter	
DISPLAY	TMR	View	View	display-
INPUT	SAT/TV	SAT/TV	SAT/TV	
FAVORITE	FAV	Buy	FAV	
CANCEL	Cancel	Next	Cancel	Lock/Unlock
LAST	Last	Last, Go Back	Last	
MENU	Menu	Menu	Menu	
UP	Up	Up	Up	
DOWN	Down	Down	Down	
LEFT	Left	Left	Left	
RIGHT	Right	Right	Right	
SAT	SAT	View	SAT	SAT

Satellite Functions by Code

Fuction	CODE 033	CODE 034	CODE 035	CODE 036
1	1	1/2	1 G	1 G (1)
2	2	3/4	2 T	2 T (2)
3	3	5/6	3 F	3 F (3)
4	4	7/8	4 A	4 A (4)
5	5	9/10	5 W	5 W (5)
6	6	11/12	6 C	6 X (6)
7	7	13/14	7 S	7 S (7)
8	8	15/16	8 M	8 M (8)
9	9	17/18	9 KU	9 KU (9)
0	0	21/22	0 VNR	0 VNR (0)
ENTER	Enter	23/24	Enter	Enter
DISPLAY	Recall/SAT	19/20	Recall Sat	Recall Sat
INPUT		Plorotor CW	Tuning	
FAVORITE	FAV	Plorotor CCW	Favorite	Cancel/FAV
CANCEL	Cancel	Audio Fine CH1 Up	Cancel	Cancel/FAV
LAST	Tuning	Audio Fine CH1 Down	Store	
MENU	Menu	ODD/Even		Tuning(Select)
UP	ADJ +	Video Fine +		Channel Up
DOWN	ADJ -	Video Fine -		Channel Down
LEFT		ANT.East		Tuning Left
RIGHT		ANT.West		Tuning Right
SAT	SAT/Recall	Satellite		

Fuction	CODE 037	CODE 038	CODE 039	CODE 040
1	1/G	G (1)	1	1 G
2	2/T	T (2)	2	2 T
3	3/F	F (3)	3	3 F
4	4/A	A (4)	4	4 E
5	5/W	W (5)	5	5 M
6	6/C	X (6)	6	6 C
7	7/S	S (7)	7	7 S
8	8/M	M (8)	8	8 R
9	9/K	KU (9)	9	9 K
0	0	VNR (0)	0	0 B
ENTER	Enter	Enter	Enter	Enter
DISPLAY	View	View	SET	List
INPUT			TV/SAT	Info
FAVORITE			Other	Guide/FAV
CANCEL	Cancel	Recall(Cancel)	Clear	CNCL
LAST	Recall	Store	Seek	Record
MENU	Menu	Tuning Select	CHAN/AF	Menu
UP	Channel Up	Tune/VOL Up	CH/AF Up	Page +
DOWN	Channel Down	Tune/VOL Down	CH/AF Down	Page -
LEFT	SAT Left	East	Dish E	Left E
RIGHT	SAT Right	West	Dish W	Right W
SAT	Select	SAT/Format	CHAN/AF	Call

Satellite Functions by Code

Fuction	CODE 043	CODE 044	CODE 045	CODE 046
1	1	1	1 G	1 G
2	2	2	2 T	2 T
3	3	3	3 F	3 F
4	4	4	4 E	4 A
5	5	5	5 M	5 W
6	6	6	6 C	6 S
7	7	7	7 S	7 M
8	8	8	8 R	8 B
9	9	9	9 K	9 R
0	0	0	0 B	0 E
ENTER	Enter	Enter	Enter	Enter
DISPLAY	Call	View	View	Category
INPUT	A/B	PLOL	SAT/TV	SAT/TV
FAVORITE	FUNC	FAV	FAV	Favorite
CANCEL	Cancel	CNCL	CNCL	Cancel
LAST	Last		Scan	
MENU	Satellite NO	Menu	Menu	Menu
UP	Video Fine +	Audio >	Audio	Select Up
DOWN	Video Fine -	Audio <	Video	Select Down
LEFT	SAT.Position East	E(Skew +)	E Left	Select Left
RIGHT	SAT.Position West	W(Skew -)	W Right	Select Right
SAT	Satellite Type	Call	Call	Satellite

Fuction	CODE 047	CODE 048	CODE 049	CODE 050
1	1 /Satcom		1 G	1/2
2	2 /Galaxy		2 T	3/4
3	3 /Westar		3 F	5/6
4	4 /Westar		4 E	7/8
5	5 /Anik		5 M	9/10
6	6 /Telstar		6 C	11/12
7	7 /Spacenet		7 S	13/14
8	8 /Other		8 R	15/16
9	9 /Other		9 K	17/18
0	0		0 B	19/20
ENTER		NO	Enter	23/24
DISPLAY	Display	Call	View	21/22
INPUT	BW	SAT/TV	Timer	
FAVORITE	Audio		FAV	
CANCEL	Clear	DNR	CNCL	
LAST		SCAN	Tune	
MENU		Mode	Menu	
UP	Play	Audio 1 Up	CH Up	ODD
DOWN	Stop	Audio 1 Down	Ch Down	Even
LEFT	REW	East	E	East
RIGHT	FF	West	W	West
SAT	Satellite	Satellite	Call	Fromat/WE/SA

Satellite Functions by Code

Fuction	CODE 051	CODE 052	CODE 053	CODE 054
1	1/F.....	1 G.....
2	2/G.....	2 T.....
3	3/W.....	3 F.....
4	4/M.....	4 A.....
5	5/A.....	5 S.....
6	6/S.....	6 W.....
7	7/T.....	7 M.....
8	8/X.....	8 K.....
9	9/Y.....	9 Y.....
0	0/Z.....	0 Z.....
ENTER	Enter.....
DISPLAY	View.....
INPUT	AUX.....
FAVORITE	Scan.....
CANCEL	Cancel.....
LAST
MENU	Fine Tune	H/V	.....	V/H
UP	Fine Up	.....	Tune Up
DOWN	Fine Down	.....	Tune Down
LEFT	Channel Up/East	East	SAT East	East
RIGHT	Channel Down/West	West	SAT West	West
SAT	Format	AUD	Satellite	Satellite

Fuction	CODE 055	CODE 056	CODE 057	CODE 058
1	1.....	1/2.....	1/G.....	1.....
2	2.....	3/4.....	2/T.....	2.....
3	3.....	5/6.....	3/F.....	3.....
4	4.....	7/8.....	4/A.....	4.....
5	5.....	9/10.....	5/W.....	5.....
6	6.....	11/12.....	6/X.....	6.....
7	7.....	13/14.....	7/S.....	7.....
8	8.....	15/16.....	8/M.....	8.....
9	9.....	17/18.....	9/KU.....	9.....
0	0.....	19/20.....	0/NNR.....	0.....
ENTER	Enter	23/24	Enter:SAT/FV.CH	Store(Top)
DISPLAY	Scan/Help	21/22	View	Level
INPUT	Skew/Setup	.....	.....	V/H
FAVORITE	F-Tune/Next PRGM	.....	.....	.....
CANCEL	Bypass/Cancel	.....	CAN/FAV PRG	Erase(Top)
LAST	Format/Message	.....	SAT/Last : ENT	.....
MENU	Channel	V/H	Tuning Sel	Select
UP	Up/Right	Fine Tune +	.....	Up Tuning
DOWN	Down/Left	Fine Tune -	.....	Down Tuning
LEFT	Down/Left	East	Tuning Left	East
RIGHT	Up/Right	West	Tuning Right	West
SAT	SAT	ODD/EVEN	SAT/Last : ENT	SAT Positioner

Satellite Functions by Code

Fuction	CODE 059	CODE 060	CODE 061	CODE 062
1	1	1	1	CH 1/2 - 1
2	2	2	2	CH 3/4 - 2
3	3	3:13/ANI	3	CH 5/6 - 3
4	4	4:14/COM	4	CH 7/8 - 4
5	5	5:15/GAL	5	CH 9/10 - 5
6	6	6:16/SAT	6	CH 11/12 - 6
7	7	7:17/SPA	7	CH 13/14 - Satcom
8	8	8:18/TEL	8	CH 15/16 - Westar
9	9	9:19/WEST	9	CH 17/18 - Comstar
0	0	0	0	CH 21/22 - Other
ENTER	Enter		Clock/CH:Enter	CH 23/24 - F
DISPLAY				CH 19/20 - Anik
INPUT			SAT/TV	Normal
FAVORITE				Video
CANCEL	Cancel			Audio Step
LAST				Channel Step
MENU		V/H		Channel
UP				ODD
DOWN				Even
LEFT		East		East
RIGHT		West		West
SAT	SAT/TV	Satellite		SAT

Fuction	CODE 063	CODE 064	CODE 065	CODE 068
1	A	1/2	1	1
2	B	3/4	2	2
3	C	5/6	3	3
4	D	7/8	4	4
5	E	9/10	5	5
6	F	11/12	6	6
7	G	13/14	7	7
8	H	15/16	8	8
9	I	17/18	9	9
0		19/20	0	0
ENTER	Select	23/24	Select	Info
DISPLAY		21/22		Action
INPUT				SAT/Local
FAVORITE				
CANCEL	Reset			PREV.CH
LAST	Seek			FAV
MENU	Format		Mode	Guide
UP		Even	Antenna East	Up Arrow
DOWN		ODD	Antenna West	Down Arrow
LEFT	East	East	East	Left Arrow
RIGHT	West	West	West	Right Arrow
SAT	Next SAT		H/V	Select

Satellite Functions by Code

Fuction	CODE 069	CODE 070	CODE 071	CODE 072
1	.....	1/F.....	1 : V-FR.....	1.....
2	.....	2/W.....	2 : V-BW.....	2.....
3	.....	3/D.....	3 : V-DEC.....	3.....
4	.....	4/A.....	4 : A-FR.....	4.....
5	.....	5/G.....	5 : A-BW.....	5.....
6	.....	6/S.....	6 : A-DEC.....	6.....
7	.....	7/T.....	7 : A-Skew.....	7.....
8	.....	8/O.....	8 : LNB.....	8.....
9	.....	9/ *.....	9 : DEEM.....	9.....
0	.....	10/ * *.....	0/10: DISH.....	0.....
ENTER	.....	Preset.....	Store : PG HID.....	Source.....
DISPLAY	(.).....	Display.....	Display.....	On Screen.....
INPUT	Drive.....	.....	TV/SAT.....	.....
FAVORITE	.....	.....	.....	Favorite.....
CANCEL	.....	.....	Cancel : Last.....	.....
LAST	.....	Scan: Mode.....	.....	.....
MENU	Tune Up.....	Format POL.....	.....	SAT Number.....
UP	SAT Up.....	.....	CH DN : East : P-.....	Audio Up.....
DOWN	SAT Down.....	.....	CH Up : West : P+.....	Audio Down.....
LEFT	East.....	ANT East.....	Left.....	East.....
RIGHT	West.....	ANT West.....	Right.....	West.....
SAT	Format.....	Satellite.....	SAT : DBS : C.....	SAT Name.....

Fuction	CODE 074	CODE 075	CODE 076	CODE 077
1	1.....	1.....	1 G.....	1.....
2	2.....	2 PPV.....	2 T.....	2.....
3	3.....	3 SPEC.....	3 F.....	3.....
4	4.....	4 SEN.....	4 A.....	4.....
5	5.....	5 CHILD.....	5 W.....	5.....
6	6.....	6 News.....	6 S.....	6.....
7	7.....	7 Music.....	7 M.....	7.....
8	8.....	8 Sports.....	8 B.....	8.....
9	9.....	9 movie.....	9 R.....	9.....
0	0.....	0.....	0 E.....	0.....
ENTER	Run.....	Select(View).....	Enter.....	Auto Tune.....
DISPLAY	.....	.....	Category.....	Store.....
INPUT	SAT/TV.....	SAT/TV.....	SAT/TV.....	Audio NAR/Wide.....
FAVORITE	.....	REC(Time).....	Favorite.....	Audio Mode.....
CANCEL	.....	Clear(Exit).....	Cancel.....	.....
LAST	.....	Menu.....	.....	.....
MENU	.....	.....	Menu.....	Tuning Mode.....
UP	Tune Up.....	.....	Select Up.....	Tuning Up.....
DOWN	Tune Down.....	.....	Select Down.....	Tuning Down.....
LEFT	East.....	.....	Select Left.....	.....
RIGHT	West.....	.....	Select Right.....	.....
SAT	.....	Guide.....	Satellite.....	Satellite.....

Satellite Functions by Code

Fuction	CODE 078	CODE 079	CODE 080	CODE 081
1	1	1.(G)	1.G	1.G
2	2	2.(T)	2.T	2.T
3	3	3.(F)	3.F	3.F
4	4	4.(E)	4.E	4.A
5	5	5.(M)	5.M	5.W
6	6	6.(C)	6.C	6.K
7	7	7.(S)	7.S	7.C
8	8	8.(R)	8.R	8.B
9	9	9.(K)	9.K	9.S
0	0	0.(B)	0.B	0.X
ENTER	Enter	Entet	Enter	Enter
DISPLAY	Mode	View	View	Time
INPUT	C/KU		Scan	Source
FAVORITE	NRW	FAV	FAV	FAV
CANCEL	Cancel	CNCL	CNCL	Cancel
LAST	DNR	Tune	Tune	ZAP
MENU	Call	Menu	Menu	Menu
UP	<	CH Up	CH Up	Up
DOWN	>	CH Down	CH Down	Down
LEFT	E	E Left	Left E	Left
RIGHT	W	V Right	Right W	Right
SAT	SAT	Call	Call	SAT

Fuction	CODE 082	CODE 083	CODE 084	CODE 085
1	1	1	1.A	1.Satcom
2	2	2	2.B	2.Calaxy
3	3	3	3.C	3.Westar
4	4	4	4.F	4.Comstar
5	5	5	5.G	5.Anik
6	6	6	6.K	6.Telstar
7	7	7	7.M	7.Spacenet
8	8	8	8.S	8.Other
9	9	9	9.T	9.Other
0	0	0	0.W	0
ENTER			Enter	
DISPLAY			Source	
INPUT				
FAVORITE			FAV	
CANCEL			Cancel	
LAST				
MENU	Reset	POL	Menu	
UP	Satellite Up		Up	
DOWN	Satellite Down		Down	
LEFT	E	ANT-E	Left	Antenna East
RIGHT	W	W-ANT	Right	Antenna West
SAT	SET	Select	SAT	Satellite

Satellite Functions by Code

Fuction	CODE 086	CODE 087	CODE 088	CODE 089
1	1 C/KU	1(Satcom)	1(Satcom)	1
2	2 POL	2(Galaxy)	2(Galaxy)	2
3	3 Skip	3(Westar)	3(Westar)	3
4	4 Norm	4(Comstar)	4(Comstar)	4
5	5 Left Video	5(Telstar)	5(Telstar)	5
6	6 Video Right	6(Aurora)	6(Aurora)	6
7	7 Left Skew	7(Spacenet)	7(Spacenet)	7
8	8 Skew Right	8(Intelsat)	8(Intelsat)	8
9	9 Left Audio	9(SBS)	9(SBS)	9
0	0 Audio Right	0(ASC)	0(ASC)	0
ENTER		Enter	Enter	
DISPLAY		View	View	
INPUT		Skew(Anik)	SAT/TV	
FAVORITE		W/N(GSTAR)	FAV	
CANCEL		Cancel	CNCL	
LAST		Mode(Morelos)		Clock
MENU		Code	Mode(Morelos)	
UP	Skip			F-Tune Up
DOWN	Normal		Skew(Anik)	F-Tune Down
LEFT	Video Left		Fine(Spare)	
RIGHT	Video Right		B/W(GSTAR)	
SAT	POL	SAT	SAT	SAT

Fuction	CODE 090	CODE 091	CODE 093	CODE 094
1	1	1	1	1
2	2/PRV	2	2	2
3	3/SEC	3	3	3
4	4/SER	4	4	4
5	5/Child	5	5	5
6	6/NEWS	6	6	6
7	7/Music	7	7	7
8	8/Sport	8	8	8
9	9/Movie	9	9	9
0	0	0	10	0
ENTER		Enter	Enter	Enter
DISPLAY	View/Select	POL-PRG	View	Left
INPUT	SAT/TV	TV SAT	Recall/SAT	SAT/TV
FAVORITE	REC/Time	F/P	FAV	FAV
CANCEL	Clear/Exit	Cancel	Cancel	Cancel
LAST	PREV	FOL+		Right
MENU	Menu	Format	Menu	Format
UP		Fine Tune Up	ADJ+	Video Fine Up
DOWN		Fine Tune Down	ADJ-	Video Fine Down
LEFT		East		East
RIGHT		West		West
SAT	Guide	SAT	Tuning	Next SAT

Satellite Functions by Code

Fuction	CODE 095	CODE 096	CODE 097	CODE 098
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
0	0	0	10	10
ENTER		Enter	Enter	Enter
DISPLAY			View	View
INPUT		Recall/SAT	Recall/SAT	Recall/SAT
FAVORITE		FAV		
CANCEL	Cancel	Cancel	Cancel	Cancel
LAST				
MENU			Menu	Menu
UP	ADJ+	ADJ+	ADJ+	ADJ+
DOWN	ADJ-	ADJ-	ADJ-	ADJ-
LEFT				
RIGHT				
SAT	Tuning	Tuning	Tuning	Tuning

Fuction	CODE 099	CODE 100	CODE 101	CODE 102
1	1	1	1 G	1
2	2	2	2 T	2
3	3	3	3 F	3
4	4	4	4 E	4
5	5	5	5 M	5
6	6	6	6 C	6
7	7	7	7 S	7
8	8	8	8 R	8
9	9	9	9 K	9
0	10	10	0 B	0
ENTER	Enter	Enter	Enter	Enter
DISPLAY	View	View	View	
INPUT	Recall/SAT	Recall/SAT		C/Ku
FAVORITE		FAV		
CANCEL		Cancel	Cancel	CNCL
LAST			POL/Call	
MENU		Menu	C/KU/PROG	
UP	ADJ+	ADJ+	Skew+	Skew+
DOWN	ADJ-	ADJ-	Skew-	Skew-
LEFT			E Left Video	Audio Left
RIGHT			Video Right W	Audio Right
SAT		Tuning	C/KU/PROG	

Satellite Functions by Code

Fuction	CODE 103	CODE 104	CODE 105	CODE 106
1	1	1/G	1	1
2	2	2/T	2	2
3	3	3/F	3	3
4	4	4/A	4	4
5	5	5/W	5	5
6	6	6/C	6	6
7	7	7/S	7	7
8	8	8/M	8	8
9	9	9/K	9	9
0	0		0	0
ENTER	Enter	V.Center		Guide
DISPLAY	Dsplay	Recall		Select/Display
INPUT	TV/DSS			TV/DSS
FAVORITE	Favorite		Mono/D/M	FAV
CANCEL	Exit	Cancel	Format	Clear
LAST	Jump		Audio Select	PREV CH
MENU	Menu	Menu		Menu
UP	Up	Up	Audio Tune Right	Up
DOWN	Down	down	Left Audio Tune	Down
LEFT	Left	Left	East	Left
RIGHT	Right	Right	West	Right
SAT	Guide	Select		DSS

Fuction	CODE 107	CODE 108	CODE 110	CODE 111
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
0	0	0	0	0
ENTER			Enter	Yes
DISPLAY		Mode	View	View
INPUT	H/V	V/H	SAT/Tv	SAT/TV
FAVORITE		W/N	Buy	Buy
CANCEL			Next	Help
LAST			Last, Go Back	Next
MENU	Video		Menu	Menu
UP	Tune Up	Skew+	Up	
DOWN	Tune Down	Skew-	Down	
LEFT			Left	
RIGHT			Right	
SAT	Audio		F 1	

Satellite Functions by Code

Fuction	CODE 112	CODE 113	CODE 114	CODE 115
1	1		1	1
2	2		2	2
3	3		3	3
4	4		4	4
5	5		5	5
6	6		6	6
7	7		7	7
8	8		8	8
9	9		9	9
0	0		0	0
ENTER	Enter			
DISPLAY	Display			
INPUT	Format		≡	
FAVORITE	Priority			
CANCEL	Cancel			
LAST	VC			
MENU	Number	Local	⤴	Secondary
UP	Fine Tune Up	Up	Up	Fine Tune Right
DOWN	Fine Tune Down	Down	down	Fine Tune Left
LEFT	E (Satellite)	Left	Left	East
RIGHT	W (Satellite)	Right	Right	West
SAT	SAT	Format	ON(Green Button)	Polarity V/H

Fuction	CODE 116	CODE 117	CODE 120	CODE 121
1		1/G	1	1
2		2/T	2	2
3		3/F	3	3
4		4/A	4	4
5		5/E	5	5
6		6/K	6	6
7		7/C	7	7
8		8/B	8	8
9		9/S	9	9
0		0/X	0	0
ENTER		Enter	Enter	Store
DISPLAY			Display	A N/W
INPUT			Source	IN A/B
FAVORITE		FAC	Mode	6.2/6.8
CANCEL		CAN	Cancel	T1
LAST			F/P	
MENU	H/V	Menu	Letter	Number
UP	Fine Tune Up	Fine Up	Fine Tune Up	Video Up
DOWN	Fine Tune Down	Fine Down	Fine Tune Down	Video Down
LEFT	East	Peak Left/VC Left	East	East
RIGHT	West	Peak Right/VC Right	West	West
SAT	Audio	SAT	Number	Type

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